

NOV 03 2008

U.S. Pat. App. No. 10/752,786

CLAIM AMENDMENTS

Please amend claims 1, 25, 28, 29, and 32 as indicated.

1. (currently amended) A method for assisting navigation of digital content using a tangible medium, comprising:

receiving an instruction to access digital content corresponding to a portion of a tangible medium:

said medium being readable by a user-positionable input device, and

said digital content being accessible from a stored file;

determining and accessing stored digital content corresponding to said input device's instantaneous position on said tangible medium; and

enabling electronic navigation of said digital content including enabling toggling between browsing of said tangible medium and browsing of said digital content on a computer screen using said input device, said browsing of said digital content being performed using an said input device or a second input device without necessarily involving said tangible medium, wherein said browsing of said digital content includes enabling a user to control translational or rotational movements of said digital content as desired directed by the user.

2. (previously presented) The method of claim 1, further comprising:
determining a change in position of said input device on said tangible medium;
and
obtaining a new stored file corresponding to said change in position.

3. (previously presented) The method of claim 1, wherein said determining and accessing stored digital content includes:
obtaining digital signals representing a localized region of said tangible medium, said localized region being proximate to said position of said input device on said tangible medium;

U.S. Pat. App. No. 10/752,786

determining at least one stored file corresponding to said localized region, and containing said digital content, by using pattern matching; and retrieving an appropriate portion of said file to enable user navigation.

4. (original) The method of claim 3, wherein said pattern matching is based on correlating a pattern within said localized region with a pattern in said stored file.
5. (original) The method of claim 3, wherein said pattern matching is based on correlating a pattern embedded within said medium itself.
6. (original) The method of claim 3, wherein said tangible medium was previously created independently of said file.
7. (previously presented) The method of claim 1, wherein said determining and accessing stored digital content includes:
 - obtaining coordinates of said position of said input device on said tangible medium;
 - determining at least one stored file corresponding to said position and containing said digital content;
 - determining coordinates within said stored file, corresponding to said input device position coordinates, by using coordinate mapping; and
 - using said determined coordinates to retrieve an appropriate portion of said file to enable user navigation.
8. (original) The method of claim 7, wherein said coordinate mapping involves a linear transformation from tangible medium coordinates to stored file coordinates.
9. (original) The method of claim 7, wherein at least one of said tangible medium and said stored file includes a grid system.

U.S. Pat. App. No. 10/752,786

10. (original) The method of claim 7, wherein said determining said stored file includes utilizing a file index read from said tangible medium.
11. (previously presented) The method of claim 7, wherein a file index was previously generated during creation of said tangible medium.
12. (previously presented) The method of claim 7 wherein;
said tangible medium includes a plurality of machine-readable patterns embedded in said medium itself; and
said obtaining coordinates of said position of said input device is based on reading a unique pattern at said position of said input device, and analyzing said unique pattern to determine said coordinates.
13. (original) The method of claim 1, wherein said digital content includes an image, and said navigation includes displaying said image.
14. (original) The method of claim 1, wherein said digital content includes audio, and said navigation includes playing said audio.
15. (original) The method of claim 1, wherein said tangible medium serves as a video storyboard.
16. (original) The method of claim 1, wherein said navigation includes at least one user-selectable mode.
17. (original) The method of claim 16, wherein said modes are designated on, and selectable from, said tangible medium.
18. (original) The method of claim 1, wherein said tangible medium includes paper.

U.S. Pat. App. No. 10/752,786

19. (original) The method of claim 1, wherein said input device includes an optical device.
20. (original) The method of claim 1, wherein said input device includes a radio frequency device.
21. (original) The method of claim 1, wherein said tangible medium is two-dimensional, yet includes three-dimensional information.
22. (cancelled).
23. (original) The method of claim 1, wherein said tangible medium was previously created using said stored file.
24. (original) The method of claim 1 implemented in a handheld portable electronic device.
25. (currently amended) A computer-readable storage medium for assisting navigation of digital content using a tangible medium, comprising logic instructions that when executed:
- receive an instruction to retrieve digital content corresponding to a portion of a tangible medium:
 - said medium being readable by a user-positionable input device; and
 - said digital content being accessible from a stored file;
 - determine and retrieve stored digital content corresponding to said input device's instantaneous position on said tangible medium;
 - enable electronic navigation of said digital content; and
 - enable toggling between browsing of said tangible medium and browsing of said digital content on a computer screen using said input device, said browsing of said digital content being performed using an said input device or a second input device ~~without necessarily involving said tangible medium~~, wherein said

U.S. Pat. App. No. 10/752,786

browsing of said digital content includes enabling a user to control translational or rotational movements of said digital content as desired directed by the user.

26. (previously presented) The computer-readable storage medium of claim 25, wherein said logic instructions that determine and retrieve stored digital content include logic instructions that when executed:

- obtain digital signals representing a localized region of said tangible medium, said localized region being proximate to said position of said input device on said tangible medium;
- determine at least one stored file corresponding to said localized region, and containing said digital content, by using pattern matching; and
- access an appropriate portion of said file to enable user navigation.

27. (previously presented) The computer-readable storage medium of claim 25, wherein said logic instructions that determine and retrieve stored digital content include logic instructions that when executed:

- obtain coordinates of said position of said input device on said tangible medium;
- determine at least one stored file corresponding to said position and containing said digital content;
- determine coordinates within said stored file, corresponding to said input device position coordinates, by using coordinate mapping; and
- use said determined coordinates to access an appropriate portion of said file for navigation by said user.

28. (currently amended) A system for assisting navigation of digital content using a tangible medium, comprising:

- means for receiving an instruction to access digital content corresponding to a portion of a tangible medium:
 - said medium being readable by a user-positionable input device; and
 - said digital content being accessible from a stored file;

U.S. Pat. App. No. 10/752,786

means for determining and accessing stored digital content corresponding to said input device's instantaneous position on said tangible medium;
means for enabling electronic navigation of said digital content; and
means for enabling toggling between browsing of said tangible medium and browsing of said digital content on a computer screen using said input device, said browsing of said digital content being performed using an said input device or a second input device without necessarily involving said tangible medium, wherein said browsing of said digital content includes enabling a user to control translational or rotational movements of said digital content as desired directed by the user.

29. (currently amended) A system for assisting navigation of digital content using a tangible medium, comprising:

an interface configured to receive an instruction from an input device to access digital content corresponding to a portion of a tangible medium:

said medium being readable by said input device; and

said digital content being accessible from a stored file; and

a processor configured to:

determine and access digital content corresponding to said input device's position on said tangible medium;

enable electronic navigation of said digital content; and

enable toggling between browsing of said tangible medium and browsing of said digital content on a computer screen using said input device, said

browsing of said digital content being performed using an said input device or a second input device without necessarily involving said tangible medium, wherein said browsing of said digital content includes enabling a user to control translational or rotational movements of said digital content as desired directed by the user.

30. (previously presented) The system of claim 29, wherein said processor is further configured to:

U.S. Pat. App. No. 10/752,786

obtain digital signals representing a localized region, of said tangible medium, that is proximate to said position of said input device on said tangible medium; determine at least one stored file corresponding to said localized region, and containing said digital content, by using pattern matching; and retrieve an appropriate portion of said file for user navigation.

31. (previously presented) The system of claim 29, wherein said processor is further configured to:

obtain coordinates of said position of said input device on said tangible medium; determine at least one stored file corresponding to said position and containing said digital content; determine coordinates within said stored file, corresponding to said input device position coordinates, by using coordinate mapping; and access an appropriate portion of said file based on said determined coordinates to enable user navigation.

32. (currently amended) A method for assisting navigation of digital content using a tangible medium, comprising:

receiving an instruction to access digital content corresponding to a portion of a tangible medium:

said medium being readable by a user-positionable input device, and
said digital content being accessible from a stored file;

determining and accessing stored digital content corresponding to said input device's instantaneous position on said tangible medium;
enabling electronic navigation of said digital content, said electronic navigation of said digital content being performed using an said input device or a second input device without necessarily involving said tangible medium, wherein said browsing of said digital content includes enabling a user to control translational or rotational movements of said digital content as desired directed by the user; and enabling use of multiple tangible media to facilitate three-dimensional navigation.